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(54) Title: HAPLOTYPE PARTITIONING

(57) Abstract: The invention relates to a method for identifying mutations and/or polymorphisms that are major determinants of a selected phenotype and is based on the identification of haplotypes and the partitioning thereof into groups that are major determinants for said phenotype.

INTERNATIONAL SEARCH REPORT

Inte onal Application No
PCT/GB 03/05412

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CHASMAN D ET AL: "Predicting the functional consequences of non-synonymous single nucleotide polymorphisms: structure-based assessment of amino acid variation" JOURNAL OF MOLECULAR BIOLOGY, LONDON, GB, vol. 307, no. 2, 23 March 2001 (2001-03-23), pages 683-706, XP004466046 ISSN: 0022-2836 page 683 -page 690 page 694 -page 705</p> <p>---</p> <p style="text-align: center;">-/--</p>	1-8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *8* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the international search report
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Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	BROCHADO GARGANTA, M

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onal Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PAYSEUR B A ET AL: "Natural selection at linked sites in humans" GENE: AN INTERNATIONAL JOURNAL ON GENES AND GENOMES, ELSEVIER SCIENCE PUBLISHERS, BARKING, GB, vol. 300, no. 1-2, 30 October 2002 (2002-10-30), pages 31-42, XP004396733 ISSN: 0378-1119 page 31 -page 39 --- REICH D E ET AL: "On the allelic spectrum of human disease" TRENDS IN GENETICS, ELSEVIER, AMSTERDAM, NL. vol. 17, no. 9, 1 September 2001 (2001-09-01), pages 502-510. XP004303291 ISSN: 0168-9525 page 502 -page 509 ---	1-8
A	HASEGAWA Y ET AL: "IDENTIFICATION OF NOVEL HUMAN GH-1 GENE POLYMORPHISMS THAT ARE ASSOCIATED WITH GROWTH HORMONE SECRETION AND HEIGHT" JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM, NEW YORK, NY, US, vol. 85, no. 3, March 2000 (2000-03), pages 1290-1295, XP000990096 ISSN: 0021-972X the whole document ---	1-8
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